

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

5 Claims 1-8 (cancelled)

Claim 9 (original) A method of fluoride-containing wastewater treatment, comprising:

performing a primary fluoric ion concentration detection process upon wastewater,
the primary fluoric ion concentration detection process comprising:

10 providing a buffer solution having a stable pH value;

adding a fixed amount of the wastewater into the buffer solution;

detecting a fluoric ion concentration in the buffer solution; and

estimating the amount of fluoride contained in the wastewater;

15 introducing the wastewater into a first reaction tank, and performing a primary
calcium salt addition process to add calcium salt into the first reaction tank so that
fluoric ions contained in the wastewater react with the calcium salt and form
calcium fluoride, a dosage of the calcium salt added in the primary calcium salt
addition process being determined according to the fluoric ion concentration
detected in the primary fluoric ion concentration detection process;

20 introducing the wastewater and the calcium fluoride into a second reaction tank, and
performing a secondary calcium salt addition process to add calcium salt into the
second reaction tank so that fluoric ions remaining in the wastewater react with
the calcium salt and form calcium fluoride;

25 performing a solid-liquid separation process to separate the calcium fluoride from
the wastewater;

performing a secondary fluoric ion concentration detection process upon the
wastewater after the calcium fluoride is separated; and

adjusting a dosage of the calcium salt added in the secondary calcium salt addition process according to a fluorine ion concentration detected in the secondary fluorine ion concentration detection process.

5 Claim 10 (original) The method of claim 9, wherein the calcium salt added in the primary calcium salt addition process and in the secondary calcium salt addition process comprises calcium chloride and calcium hydroxide.

10 Claim 11 (original) The method of claim 10, wherein the first reaction tank is maintained in an acidic condition.

Claim 12 (original) The method of claim 9, further comprising performing a neutralization process after the secondary calcium salt addition process is performed.

15 Claim 13 (currently amended) The method of claim 9, wherein the solid-liquid separation process comprises:

introducing the wastewater and the calcium fluoride in the second reaction tank into a rapid mixing tank, and adding flocculants into the rapid mixing tank to form calcium fluoride flocs;

20 delivering the wastewater and the calcium fluoride flocs from the rapid mixing tank to a slow mixing tank, and adding polymer chemicals ~~medicaments~~ to develop the calcium fluoride flocs; and

25 delivering the wastewater and the calcium fluoride flocs from the slow mixing tank to a ~~setting~~ settling tank so that the wastewater and the calcium fluoride flocs are separated due to different specific gravities.

Claim 14 (original) The method of claim 13, wherein the flocculants comprise poly aluminum chloride (PAC).

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Claim 15 (original) The method of claim 13, further comprising performing a concentration process after the wastewater and the calcium fluoride flocs are separated.